

FlexiLOG™ Application Notes

SHIFT LOGS

EFFICIENT

Rapidly record and classify events on shift

IN TOUCH

Easy access to logs from any device on the network

ACCURATE

Spell checkers and pre-loaded sequences minimise errors in the logs. Audit events track all additions and changes, with formal sign off

FLEXIBLE

Shift Logs can be tailored to the precise requirements of operations

FOLLOW-UP

Trips and other failures are automatically flagged for action, along with operating concerns identified

CONNECTED

Escalate issues between logs and on to OpSUITE™ EMM production meeting agendas

The Problem

In capital-intensive industries the pressure to achieve peak performance is unrelenting. Often the drive for efficiency is focussed on physical plant performance without properly considering the vital role that operators play in the process. Consider the infamous “black box” carried by passenger jets: accident investigators need the automatically recorded data such as airspeed and altitude indicators – but they also rely heavily on the cockpit voice recordings to properly understand why the pilots made particular decisions under the circumstances. Effective handover between shifts relies on properly structured information and highlighting of problem areas.

The Solution

Shift Logs in FlexiLOG™ improve both the quality of the information supplied to operators (from previous shifts, other plant areas, the permit to work system and so on), as well as the quality of the information which they log in the system.

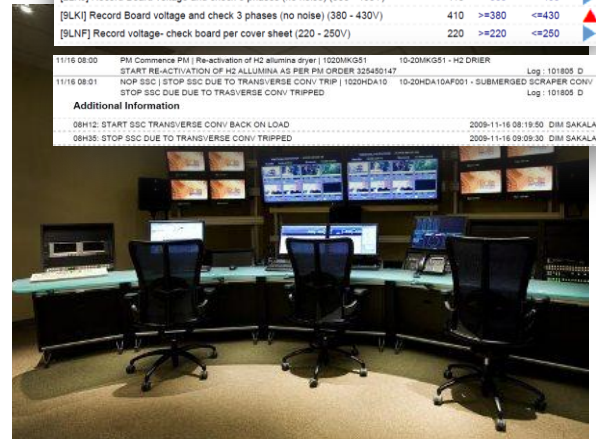
This role is supported in several ways. Firstly, the system includes chronological logs that capture and classify events as they occur on shift. The drill-down classifications allow users to identify main and sub-systems, the nature of the event (failure/normal operating/callout etc) and the failure modes associated with the equipment concerned. Aside from helping operators to quickly and accurately log information, the structured data that results allows for detailed search and analysis of the information.

Secondly, all logs are subject to workflows and the audit trail that records who took over shift at what time and communicates state changes to other users via popup messages or email. In addition, specific events may be sent to other logs to ensure that critical issues are timeously escalated to senior staff.

Critical state of plant indicators may be captured in the logs for handover purposes. Icons indicate trends in the data with alerts for out of range values and quick access to graphs of previous values.

Finally, the logs automatically aggregate lists of outstanding permits to work, maintenance requests, temporary instructions and other key communications into the log: the right information, in the right place at the right time.

[9TEU027LP] Record Suction Pressure of 004PO when I/S (5 - 35KPa)	0	>=5	<=35
[9TEU028LP] Record Discharge Pressure of 004PO when I/S (330 - 420KPa)	0	>=330	<=420
[9TEP300LP] Record suction pressure of 9TEP007PO when I/S (0 - 50Kpa)	0	>=0	<=50
[9TEP301LP] Record discharge pressure of 9TEP007PO when I/S (0 - 500Kpa)	0	>=0	<=500
[1LKJ] Record Board voltage and check 3 phases (no noise) (380 - 430V)	410	>=380	<=430
[2LKJ] Record Board voltage and check 3 phases (no noise) (380 - 430V)	410	>=380	<=430
[9LNF] Record voltage- check board per cover sheet (220 - 250V)	220	>=220	<=250



Integrated to OpSUITE™

Not only do FlexiLOG™ Shift Logs gather together relevant information for use in the control room (e.g. rapid access to the list of standby persons in the relevant section) – it is also able to escalate operating concerns to the production meeting agendas maintained in OpSUITE™ EMM. High priority failures and trips may be automatically flagged in subsequent meetings with full traceability on any remedial actions identified.

Benefits

FlexiLOG™ Shift Logs are the keystone supporting the arch between management and physical plant. Operations benefit in many ways:

- logs visible across the enterprise
- improved quality of information in the logs
- structured database for ease of reporting
- communication and shift team performance

Total Operations Insight

ApplyIT has been improving operations performance in mining and manufacturing companies for over a decade using innovative technology solutions that are based on our industry insights. Our exemplary track record has resulted in some of the largest (and also the smallest) mining and manufacturing companies adopting our OpSUITE™ solutions.

ApplyIT (Pty) Ltd

Murray & Roberts Building
No 2 The Crescent
Westway Office Park
Westville
South Africa

Tel: +27 31 275 8080
Fax: +27 31 265 9855
Enquiries Fax: +27 86 682 2728
email: enquiries@applyit.com

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www.applyit.com

